IAP13 Rec'd PCT/PTO 2.7 FEB 2407, 390 (Rev. 07-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)		ATTTORNEY'S DOCKET NUMBER FRZ-112US					
CONCERNING A SUBMISSION		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/581,501					
INTERNATIONAL APPLICATION NO. PCT/AT2004/00424	INTERNATIONAL FILING DATE December 2, 2004	PRIORITY DATE CLAIMED December 2, 2003					
TITLE OF INVENTION THROUGH-FLO	W VOLUME LIMITERS						
APPLICANT(S) FOR DO/EO/US Siegfried Kog	elbauer						
Applicant herewith submits to the United Sta	ates Designated/Elected Office (DO/EC	D/US) the following items and other information:					
1. This is a FIRST submission of items co	ncerning a submission under 35 U.S.C. 371	I.					
2. This is a SECOND or SUBSEQUENT'S	submission of items concerning a submission	n under 35 U.S.C. 371.					
3. This is an express request to begin nation (5), (6), (9) and (21) indicated below.	onal examination procedures (35 U.S.C. 37	1(f)). The submission must include items					
4. The US has been elected (Article 31).							
5. A copy of the International Application	A copy of the International Application as filed (35 U.S.C. 371(c)(2))						
a. is attached hereto (required	only if not communicated by the Internation	nal Bureau).					
b. has been communicated by	b. has been communicated by the International Bureau.						
c. is not required, as the applic	c. is not required, as the application was filed in the United States Receiving Office (RO/US).						
6. An English language translation of the	e International Application as filed (35 U.S.C	C. 371(c)(2)).					
a. is attached hereto.		·					
b. has been previously submit	b. has been previously submitted under 35 U.S.C. 154(d)(4).						
7. Amendments to the claims of the Inte	rnational Application under PCT Article 19 ((35 U.S.C. 371(c)(3))					
a. are attached hereto (requir	red only if not communicated by the Internal	tional Bureau).					
b. have been communicated	b. have been communicated by the International Bureau.						
c. have not been made; howe	c. have not been made; however, the time limit for making such amendments has NOT expired.						
d. have not been made and v	d. have not been made and will not be made.						
8. An English language translation of th	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).						
9. An oath or declaration of the inventor	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).							
Items 11 to 20 below concern document(s) or information included:							
11. An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.						
12. An assignment document for recording	ng. A separate cover sheet in compliance wi	th 37 CFR 3.28 and 3.31 is included.					
13. A preliminary amendment.	A preliminary amendment.						
14. An Application Data Sheet under 37 C	An Application Data Sheet under 37 CFR 1.76.						
15. A substitute specification.							
16. A power of attorney and/or change of	address letter.						
17. A computer-readable form of the sequ	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.						
18. A second copy of the published Intern	A second copy of the published International Application under 35 U.S.C. 154(d)(4).						
19. A second copy of the English languag	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).						

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Other items or information: Post Card; PTO-2038; Certificate of Express Mailing; 371 Formalities Letter

Page 1 of 2

	J.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. 10/581,501 PCT/AT2004/00424			ATTORNEY'S DOCKET NUMBER FRZ-112US		
The following fees have been submitted		CALCULATIONS	PTO USE ONLY			
±200		\$				
21. Basic national fee (37 CFR 1.492(a))			\$			
23. Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 Search fee (37 CFR 1.44(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority			d s			
TOTA	L OF 21, 22 and 23 =			\$		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction RATE thereof (round up to a whole number)						
- 100 =	/50 =		x \$250	\$		
Surcharge of \$130.00 for claimed priority date (37	or furnishing the oath or declar CFR 1.492(e)).	ation later than 30 months ii	on the earliest	\$ 130		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total claims	- 20 =		× \$ 50	. \$		
Independent claims	-3=		x \$200	\$		
MULTIPLE DEPENDE	NT CLAIM(S) (if applicable)		+ \$360	\$		
		TOTAL OF ABOVE	E CALCULATIONS	= \$		
Applicant claims s	mall entity status. See 37 CFF	R 1.27. Fees above are redu	iced by 1/2.			
SUBTOTAL =		= \$ 65				
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			\$			
TOTAL NATIONAL FEE =			= \$			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			\$			
		TOTAL	FEES ENCLOSED	= \$ 65	_	
			Amount to be refunded:	* \$		
				Amount to be charged:	\$	
a. A check in the	ne amount of \$	to cover the at	ove fees is enclose	d.		
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.						
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit t Account No. 18-0350. A duplicate copy of this sheet is enclosed.						
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information strong to be included on this form. Provide credit card information and authorization on PTO-203861/2087 UP NET						
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.						
SEND ALL CORRESPONDENCE TO:						
Customer Number 23122 SIGNATURE OR Joseph E. Maenner						
Park of Parkin P.O. Parkin P.O. Parkin P.A. 10493						
Ratner Prestia, P.O. Box 960, Valley Polge, PA 19462 Ratner Prestia, P.O. Box 1596, Wilmington, DE 19899 41,964						
	To a see					
Date:	Date: February 27, 2007 REGISTRATION NUMBER					

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)			Docket No.
Applicant(s): Siegfried Kog	Jelbauer —		FRZ-112US
Serial No.	Filing Date	Examiner	Group Art Unit
10/581,501	Herewith		
Invention: THROUGH-FLO	OW VOLUME LIMITERS		
I hereby certify that the foll		-5 074 Farmeliking Letter: PTO	2029: Pact Card
PTO-1390; Declaration/	Power of Attorney; Copy	of 371 Formalities Letter; PTO-	2038; Post Garu
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CFR 1.10 in an envelope a Mail Stop PCT,			
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U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY. DOCKET NO.

10/581,501

Siegfried Kogelbauer

FRZ-112US

INTERNATIONAL APPLICATION NO.

PCT/AT04/00424

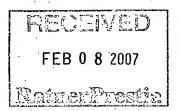
I.A. FILING DATE

PRIORITY DATE

12/02/2004

12/02/2003

23122 RATNERPRESTIA P O BOX 980 VALLEY FORGE, PA 19482-0980



CONFIRMATION NO. 7010 371 FORMALITIES LETTER

OC000000022335509

Date Mailed: 02/06/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- o Indication of Small Entity Status
- o Copy of the International Application filed on 06/02/2006
- Copy of the International Search Report filed on 06/02/2006
- o Preliminary Amendments filed on 06/02/2006
- o Information Disclosure Statements filed on 06/02/2006
- o Oath or Declaration filed on 06/02/2006
- Small Entity Statement filed on 06/02/2006
- Request for Immediate Examination filed on 06/02/2006
- o U.S. Basic National Fees filed on 06/02/2006
- o Priority Documents filed on 06/02/2006

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The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath
 or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27,
 must be submitted with the missing items identified in this letter.



SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

• \$65 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHING (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filling a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

LAMONT M HUNTER

Telephone: (703) 308-9140 EXT 201

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY, DOCKET NO.
10/581,501	PCT/AT04/00424	FRZ-112US

FORM PCT/DO/EO/905 (371 Formalities Notice)